

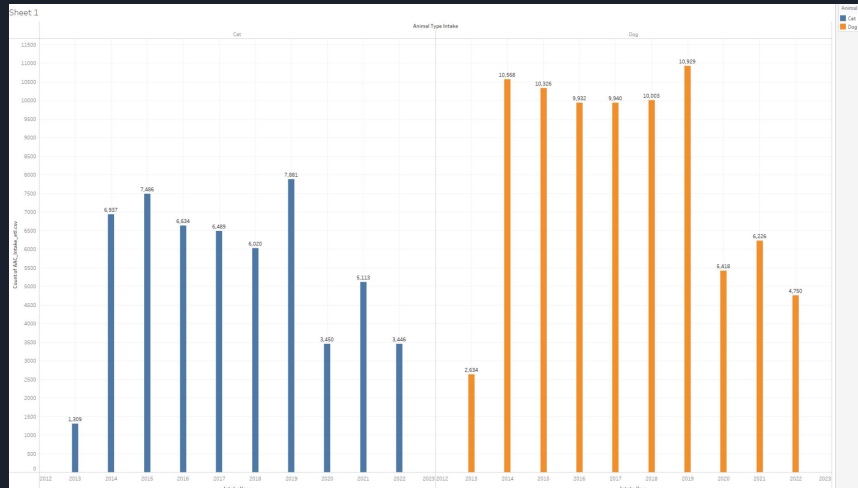



Austin Animal Center Storyboard/Outline

Project by: Project-A-Team

Objective of Analysis: How to improve adaptability of animals in the shelter.

- Current issue: Overcrowding at Austin Animal Center.
 - Currently restricting animal intakes starting September 13th.
 - AAC Has over 700 animals.
- Graphic for yearly intakes of Cats vs Dogs throughout the years.





Overview of Analysis: What we want to solve with data storytelling.


Questions to be answered (picking our top 5 soon, waiting for data story):

- 1). What month has most intakes/outcomes
- 2). Distribution of dog and cats.
- 3). Where in Austin are most intakes coming from?
- 4.) Average dog and cat intake in a week?
- 5). Average time in the shelter?
- 6). Average time in shelter by age?
- 7). What type of animal is most likely to be returned to the owner?
- 8). What area of Austin is most likely to have strays?
- 9.) What day of the week is most likely to have adoptions?
- 10.) Does breed play a role in successful outcome?



Applying Machine learning to our Dataset.

- We used ML to see the successful adoptions for two different animal types: Cats and Dogs.



Description of tools that will be used to create final dashboard

- We will be using tableau to create our final dashboard and will be creating our interactive elements through tableau.
- Interactive elements:
 - Filters for different years, breeds, age, maps with layers for how location is a factor, and among other interactive elements being discussed in our group.



Blueprint of DashBoard

- 1). What area of Austin is most likely to have strays? We will use a layered map in our dashboard to easily show common areas for strays.
- 2). What month has most intakes? Using bar graph to show month to month basis of intakes.
- 3). What day of the week is most likely to have adoptions? Using bar graph for days of the week to story tell what days are best for adoptions.
- 4). Where in Austin are most intakes coming from? Using a map to determine where most intakes are coming from.
- 5). Average time in shelter by age? Bar graph to show relationship between age and time.



Conclusion/Proposals

- 1). Drawing conclusions from our questions we solve with our data analysis/storytelling.
- 2). Propose ideas on how AAC could improve adoptability by targeting animals that are most adoptable to get them out of the shelter faster.
- 3). Propose new adoption programs that can improve adoption rates of older animals, lower cost upfront, extra supplies, and more.